

## Halo™ 6000 Surgical Headlight System (Project 06-03) (7/06)

Enova Medical Technologies introduced the Halo™ 6000 surgical headlight system for use in the operating room and outpatient surgical clinics. The headlight consists of two light-emitting-diodes (LEDs) fitted onto a headband that purportedly lasts for over 10,000 hours. The headlight has two intensity settings. There are no fiber-optic cables, no separate light source, and no power cables to restrict operator movement. Lithium-ion rechargeable batteries provide the power for the headlight. The system comes with a 110-240V battery charger and two batteries. Optional belt packs that hold two or four batteries and connect to the headband are available. The belt packs can be used to extend the working time of the headlight and/or decrease its weight. The system is packaged in a hardened portable container. There is a one year warranty for the headlight and battery charger and 90 day warranty for the batteries. The company also markets the Halo™ 5000 headlight system, which is a less-powerful headlight and is intended for use in outpatient clinics.



### Manufacturer:

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### Suggested Retail Price:

\$3,490.00	Halo™ 6000 Surgical Headlight System (item# HSHS-6000) (Includes: Halo™ 6000 headlight unit, 2 rechargeable lithium-ion batteries, 1 custom battery charger, 2 joysticks, 3 lens cleaning cloths, 1 storage bag)
\$2,995.00	Halo™ 6000 Surgical Headlight only
\$490.00	Four battery belt pack
\$225.00	Two battery belt pack
\$145.00	Lithium-ion battery

### Government Price:

\$2,990.00	Halo™ 6000 Surgical Headlight System (contents as listed above)
\$2,695.00	Halo™ 6000 Surgical Headlight only
\$441.00	Four battery belt pack
\$202.50	Two battery belt pack
\$130.50	Lithium-ion battery

### ADVANTAGES:

- + High illuminance
- + No cords to light source
- + Portable, with carrying case
- + Adequate area of illumination (spot size)
- + Optional battery packs
- + 110-240V battery charger

### DISADVANTAGES:

- Headlight weight with batteries

### SUMMARY AND CONCLUSIONS:

The Halo™ 6000 Portable Headlight System is the first LED headlight to be marketed for surgical

procedures in the operating room and surgical outpatient clinic. The system includes the Halo™ 6000 headlight which consists of two LEDs and two lithium-ion batteries directly connected to an adjustable headlight, a battery charger, two joysticks, three lens cleaners, and one storage bag. The system is available in a hardened carrying case. Optional belt battery packs that hold two or four batteries can be purchased separately. The headlight was found to provide strong illumination during laboratory and clinical testing. The area and intensity of illumination was adequate for surgical procedures. Some of the evaluators felt the headlight was heavy but did not use the optional battery packs with the batteries removed from the headband. Evaluators appreciated the portability of the headlight during patient treatment and when staffing residents. All evaluators recommended the headlight for use in a deployed environment. The **Halo™ 6000 Portable Headlight System** is rated **Excellent** for use in US Air Force dental facilities.